



US009409446B2

(12) **United States Patent**  
**Watabe et al.**

(10) **Patent No.:** **US 9,409,446 B2**  
(45) **Date of Patent:** **Aug. 9, 2016**

(54) **PNEUMATIC RADIAL TIRE WITH TREAD  
HAVING BLOCKS HAVING WAVED SIPES**

USPC ..... 152/209.22, 902, DIG. 3  
See application file for complete search history.

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(\*) Notice: Subject to any disclaimer, the term of this  
patent is extended or adjusted under 35  
U.S.C. 154(b) by 957 days.

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(21) Appl. No.: **12/667,572**

EP 0 844 107 A2 5/1998

(22) PCT Filed: **Jul. 1, 2008**

EP 1 090 781 A2 4/2001

(86) PCT No.: **PCT/JP2008/061897**

(Continued)

§ 371 (c)(1),  
(2), (4) Date: **Jan. 4, 2010**

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(87) PCT Pub. No.: **WO2009/005056**

PCT Pub. Date: **Jan. 8, 2009**

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(65) **Prior Publication Data**

US 2010/0212794 A1 Aug. 26, 2010

(57) **ABSTRACT**

(30) **Foreign Application Priority Data**

Jul. 5, 2007 (JP) ..... 2007-177502

(51) **Int. Cl.**  
**B60C 11/12** (2006.01)

**B60C 11/11** (2006.01)

(52) **U.S. Cl.**  
CPC ..... **B60C 11/11** (2013.01); **B60C 11/12**  
(2013.01); **B60C 11/1218** (2013.04); **B60C**  
**11/1263** (2013.04); **B60C 2011/1213** (2013.04);  
**B60C 2011/1227** (2013.04)

(58) **Field of Classification Search**  
CPC ..... B60C 11/1263; B60C 2011/1213;  
B60C 11/1259

The present invention provides a pneumatic radial tire which is, by effectively suppressing collapse-deformation of a relatively large magnitude in sectioned portions of each block, which sections are demarcated by sipes, and also effectively preventing the sipe from making narrowing-deformation, excellent in not only driving performance and braking performance on an icy or snowy road but also driving stability on a general road. The tire characteristically includes: a tread having a contact surface 1; plural circumferential grooves 2; plural lateral grooves 3; blocks 4 demarcated by the circumferential grooves and the lateral grooves in the contact surface of the tread; and plural sipes 5 provided in the blocks 4, wherein the bottom portion of each sipe 5 is provided with at least one upward-protruding projection 7 for integrally connecting respective facing groove walls of the sipe 5.

**7 Claims, 7 Drawing Sheets**

